HP StorageWorks

6000 Virtual Library System Node Installation

hp invent

⚠ **Warning:** The node weighs 16.78 kg (37 lb) full. At least two people are required to lift and rack mount the node.

⚠ **Caution:** Make sure that the rack and all equipment mounted in the rack has a reliable ground connection. Verify that the total current of the rack components does not exceed the current rating of the power distribution unit or outlet receptacles.

⚠ **Warning:** To reduce the risk of personal injury or damage to the equipment, before installing equipment be sure that:
- The rack leveling jacks are extended to the floor.
- The full weight of the rack rests on the leveling jacks.
- The stabilizing feet are attached to the rack if it is a single-rack installation.
- The racks are coupled together in multiple-rack installations.
- Only one component is extended at a time. A rack may become unstable if more than one component is extended for any reason.

⚠ **Caution:** Parts can be damaged by electrostatic discharge. Keep parts in their containers until needed. Ensure that you are properly grounded when touching static sensitive components.

Rack requirements:
HP supports the HP System E racks and the HP 10000 Series racks for use with the virtual library system (VLS). Other racks might also be suitable, but have not been tested with the VLS.

1
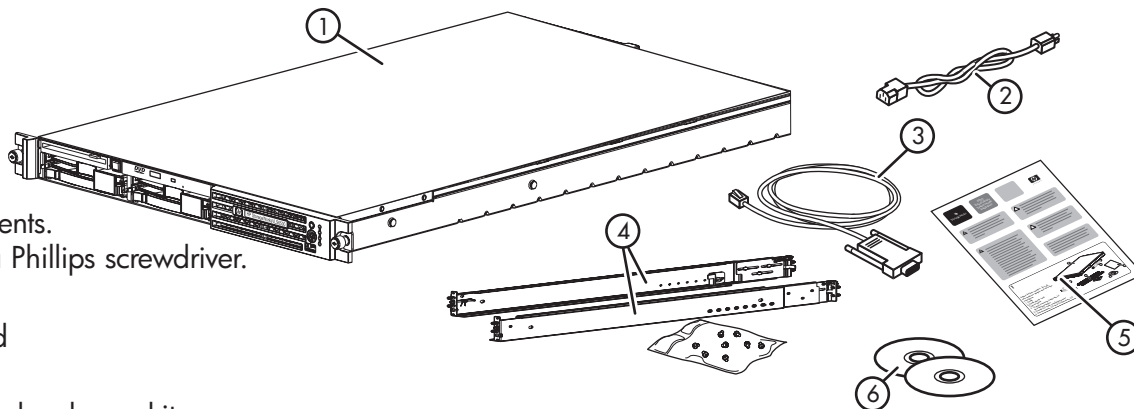
Inspect the box contents.
You will also need a Phillips screwdriver.
1 Node
2 Node power cord
3 Serial cable
4 1U rack mounting hardware kit and documentation
5 Printed VLS node installation poster
6 Documentation CD and VLS Recovery CD

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2

Select a rack location that meets the space, airflow, temperature, power, and electrical grounding requirements described in the *HP StorageWorks 6000 Virtual Library System User Guide*. For adequate airflow within the rack, use appropriate high airflow inserts in rack cabinet doors and observe industry standard practices for adequate spacing between racks or rows of racks.
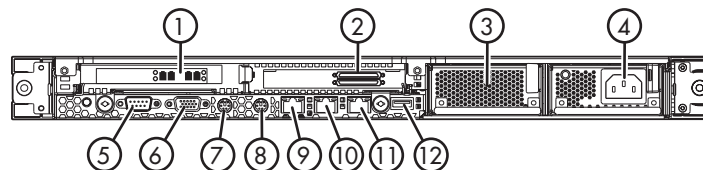
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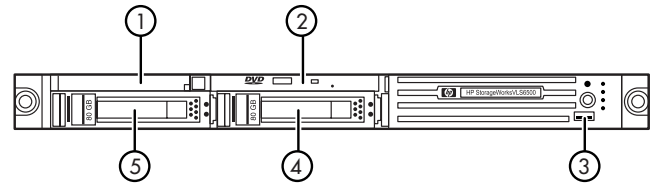
Front components
1   Diskette drive blank
2   CD drive
3   FrontUSBport
4   Hard drive 0
5   Hard drive 1

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Rear components
1   Fibre Channel host ports
2   VHDCI connectors
3   Power supply bay 1
4   Power supply bay 0 (populated)
5   Serial connector
6   Video connector

7   Keyboard connector
8   Mouse connector (not used)
9   iLO management LAN port (service port)
10 10/100/1000 NIC 1 (user network)
11 10/100/1000 NIC 2 (service port)
12 Rear USB connector

5 — Installing the node in a rack

To install the node into a rack with square, round, or threaded holes, see the instructions that ship with the 1U rack hardware kit.

Note: Allow enough rack space above and/or below the node to mount the disk array(s).

The disk arrays each require a vertical rack space of 2U (equivalent to 89 mm, or 3.5 inches).

Do not plan to mount more than two disk arrays above or below the node, as doing so will prevent you from extending the node from the rack due to SCSI cable length restrictions. Longer SCSI cables may be substituted.

If you are installing the node into a telco rack, order the appropriate option kit at the RackSolutions.com website (**http://www.racksolutions.com**).

Connect Fibre Channel cables from your SAN media server to the node Fibre Channel host ports, starting with Fibre Channel host port 0 and working towards Fibre Channel host port 3. Leave the Fibre Channel loopback plug in any unused Fibre Channel host port(s). This will prevent you from receiving Fibre Channel notification alerts, which are generated by the VLS when no signal is detected at a Fibre Channel host port.
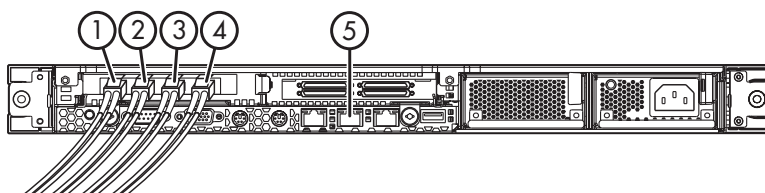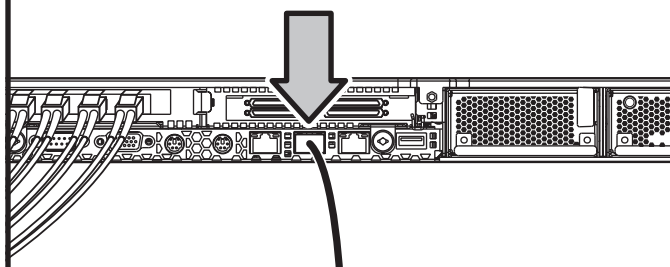
1   Fibre Channel host port 0
2   Fibre Channel host port 1
3   Fibre Channel host port 2
4   Fibre Channel host port 3
5   10/100/1000 NIC 1

Warning: To reduce the risk of electric shock, fire, or damage to the equipment, do not plug telephone or telecommunications connectors into RJ-45 (NIC) connectors.

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Connect a standard Ethernet (CAT-5) cable from your local IP network (LAN) to the 10/100/1000 NIC 1 (RJ-45) connector.

Warning: To reduce the risk of electric shock or damage to the equipment:
• Do not disable the power cord grounding plug. The grounding plug is an important safety feature.
• Plug the power cord into a grounded (earthed) electrical outlet that is easily accessible at all times.
• Unplug the power cord from the power supply to disconnect power to the equipment.
• Do not route the power cord where it can be walked on or pinched by items placed against it. Pay particular attention to the plug, electrical outlet, and the point where the cord extends from the node.
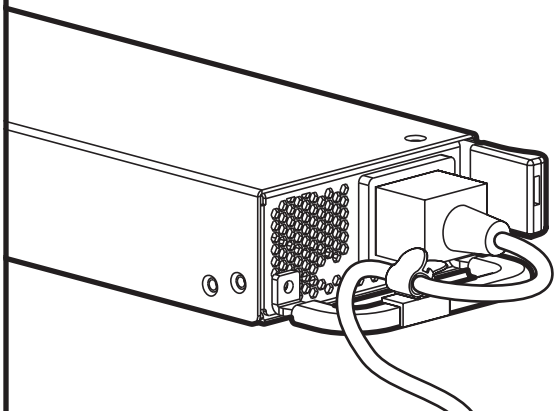
8
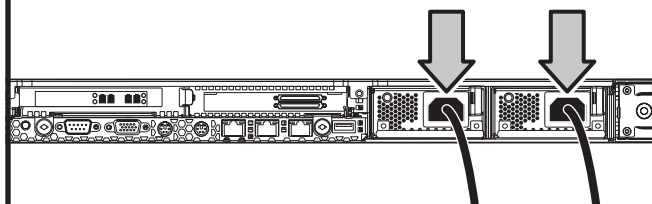
Connect the AC input socket on the power supply(s) to an AC power source using the power cable(s) provided.

The VLS base configuration includes only one power supply. An optional second, redundant power supply may be purchased.

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Use the strain relief clip from the node hardware kit to secure the power cord.

10   Installing the disk array(s)

Install the disk array(s) as described in the *HP StorageWorks 6000 Virtual Library System Disk Array Installation* poster.

11   Setting the network settings

Set the VLS network settings (IP address, DNS server, host name, and so on) as described in the "Configuration" section of the *HP StorageWorks 6000 Virtual Library System User Guide.*

You may now launch the VLS web-browser interface, Command View VLS, and configure the VLS as described in the *HP StorageWorks 6000 Virtual Library System User Guide.*

Getting help

If you cannot find the information that you need in this overview, there are several other resources that you can use to get more detailed information.

- The *HP StorageWorks 6000 Virtual Library System User Guide*
- The HP website, **http://www.hp.com**
- Your nearest HP authorized reseller (locations and telephone numbers of these resellers are given on the HP website)
- HP technical support telephone numbers:
  — In North America, 1-800-633-3600
  — For other regions, telephone numbers are given on the HP website.